

ABSTRACT OF THE INVENTION

Various circuit configurations for use in switch assembly used in a surgical hand piece system are provided. The circuit configuration provide a number of functions such as permitting the presence and direction of conductivity to be detected. The circuit configurations also provide a means for detecting and measuring the degree of influence of debris which is located between the conductive members of the handpiece. In addition, the circuit configurations also provide a means for identifying the type of switch end cap which is attached to the handpiece. The handpiece body and the switch mechanism are electrically connected to one another in such a manner that permits the switch end cap to be freely rotated about the handpiece body and reduces the number of conductive members needed to communicate the status of each switch.

BEST AVAILABLE COPY